

Comparisons of Job Characteristics

Focus Occupation: [Health Technologists and Technicians, All Other \(29-2099\)](#)

Associated Occupation: [Surgical Technologists \(29-2055\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 91

Focus Occupation: Health Technologists and Technicians, All Other (29-2099)

Associated Occupation: Surgical Technologists (29-2055)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Medicine and Dentistry	3.7	15.2	15.1	0 Current knowledge level may be sufficient
Customer and Personal Service	11.3	13.2	15.5	> Current knowledge level is likely sufficient
Biology	3.7	9.2	8.0	< Expanded education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 77

Focus Occupation: Health Technologists and Technicians, All Other (29-2099)

Associated Occupation: Surgical Technologists (29-2055)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Coordination	9.1	11.6	9.4	< A higher skill level may be required
Operation Monitoring	6.6	10.6	8.0	<< Extensive development of skills in this area may be required
Equipment Maintenance	3.5	6.9	3.6	<< Extensive development of skills in this area may be required
Management of Material Resources	3.7	6.5	2.5	<< Extensive development of skills in this area may be required
Equipment Selection	3.3	5.6	2.6	<< Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 88

Focus Occupation: Health Technologists and Technicians, All Other (29-2099)

Associated Occupation: Surgical Technologists (29-2055)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Arm-Hand Steadiness	6.8	11.4	8.7	<<	Extensive improvement in abilities may be required
Manual Dexterity	6.5	11.4	7.3	<<	Extensive improvement in abilities may be required
Selective Attention	8.7	11.4	9.7	<	Some improvement in abilities may be required
Far Vision	7.8	11.2	8.1	<<	Extensive improvement in abilities may be required
Perceptual Speed	7.4	11.0	8.2	<<	Extensive improvement in abilities may be required
Flexibility of Closure	7.8	10.5	8.8	<	Some improvement in abilities may be required
Hearing Sensitivity	5.6	9.0	6.0	<<	Extensive improvement in abilities may be required
Auditory Attention	5.9	8.8	5.3	<<	Extensive improvement in abilities may be required
Time Sharing	6.6	8.6	7.5	<	Some improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

There are no common work activities.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 64

Focus Occupation: Health Technologists and Technicians, All Other (29-2099)

Associated Occupation: Surgical Technologists (29-2055)

Tools and Technologies	Exclusivity
Blood pressure units and related products	11
Computers	1
Content authoring and editing software	1
Data management and query software	1
Industry specific software	1
Medical diagnostic x ray products	26
Medical imaging processing equipment and supplies	33
Medical radiological imaging information and archiving products	43
Medical ultrasound and doppler and echo imaging products	19
Network applications software	1
Oxygen therapy delivery systems and devices	13
Resuscitation supplies	29
Specimen collection and transport containers and supplies	14

Surgical clamps and forceps and surgical ligators and related instruments	29
Surgical cutting instruments and snares and related products	24
Suture and related products	23
Suture and surgical tissue closure instruments and related products	33
Syringes and accessories	14

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.